Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/07/2020 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126224	0	2.34	126376	2.33
Blue	F	SSC	125000	124705	-1	1.73	125532	1.75
Blue	E	FITC	15892	15563	-3	2.85	340	20.57
Blue	D	PE	29999	29683	-2	1.94	649	14.92
Blue	B	PerCP-Cy5-5	43732	43835	0	3.70	1172	21.10
Blue	A	PE-Cy7	30845	30859	0	6.38	588	42.41
Red	C	APC	46112	45320	-2	2.48	1605	12.39
Red	A	APC-Cy7	30458	29556	-3	2.36	781	11.95
Violet	B	V450	7918	7647	-4	4.03	434	12.59
Violet	A	V500	32171	31039	-4	3.86	726	10.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17042	12.97	654	33	N/A	N/A	Pass
Blue	F	SSC	56944	1.24	584	25	N/A	N/A	Pass
Blue	E	FITC	62	65.89	554	11	0.0191	160	Pass
Blue	D	PE	134	50.44	560	12	0.1558	262	Pass
Blue	B	PerCP-Cy5-5	215	51.65	668	12	0.0084	54	Pass
Blue	A	PE-Cy7	109	106.97	713	15	0.0102	23	Pass
Red	C	APC	380	25.47	592	8	0.0228	95	Pass
Red	A	APC-Cy7	171	30.26	563	7	0.0058	1677	Pass
Violet	B	V450	66	57.02	460	2	0.0558	2045	Pass
Violet	A	V500	109	31.87	476	2	0.0234	575	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.11	-32.89	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	16.01	13.60 - 20.40	N/A	N/A	30.31	30.66	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9873

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments